PCT/US98/01973 WO 98/33917

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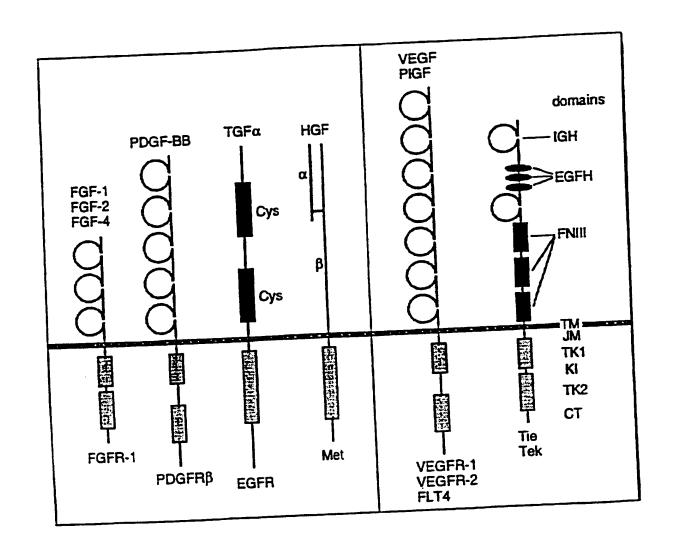


FIGURE 1

50 MNRCWA.LFL	100 IDSVGSEDSL GDP.GEEDGA PAVPPQQW HAKWSQAA QAPVSQP	150 AVCKTRTVIY AECKTRTEVF SYCRALERLV SYCHPIETLV ATCQPREVVV TQCMPREVCI	200 RVHHRSVKVA QVQLRPVQVR ETANVTMQLL EESNITMQIM GQHQVRMQIL STSYLSKTLF
AFESGLDLSD	SIRDLQRLLE SFDDLQRLLH LLAGLAL WSLALLLYLH LAALLQLAPA YKCQLRKGGW	SLTIAEPAMI	NTSSVKCQPS NNRNVQCRPT GDENLHCVPV NDEGLECVPT PDDGLECVPT NSEGLQCMNT
GPREAPAAAA	IERLARSQIH YEMLSDHSIR RLFPCFLQ NFLLSWVH SPLLRRLL	LPIRRKRSILARGRRSLG FQE.VWGR FMD.VYQR WID.VYTR	VEVKRCTGCC VEVQRCSGCC VSLLRCTGCC VPLMRCGGCC VTVQRCGGCC
CSLLAAALLP	AEEAEIPREV AEGDPIPEELMPVMM	ATKHVPEKRP SGGELES NGSSEVEVVP GGQNHHEVVK APGHQRKVVS	SANFLIWPPC NANFLVWPPC . EMFSPSC . EXIFKPSC . AKQLVPSC
1 	51 LGCGYLAHVL SLCCYLRLVS	101 DTSLRAHGVH ELDLNMTRSH ALSAG PMAEG	151 EIPRSQVDPT EISRRLIDRT DVVSEYPSEV DIFQEYPDEI PLTVELMGTV
PDGF-A PDGF-B P1GF-1 VEGF165 VEGF-B167	PDGF-A PDGF-B PIGF-1 VEGF165 VEGF-B167 VEGF-B167	PDGF-A PDGF-B P1GF-1 VEGF165 VEGF-B167	PDGF-A PDGF-B PIGF-1 VEGF165 VEGF-B167

FIGURE 2 A

250 TSLNPDYREE GSQEQRAKTP	300 vpr .cserrkhlfv cprctqhhqr fhdicgpnke	RCDKPRR
AARPVTRSPG EK DR KD	LKETLGA MKPERCGDA ARQENPCGP AVKPDSPRPL SDAGDDSTDG	
HLECACAT HLACKCETVA HVRCECRPLR HNKCECRPKK HSQCECRPKK HTSCRCMSKL		RQLELNERTC RGLELNPDTC PHKELDRNSC
LKEVQVRLEE FKKATVTLED .SYVELTFSQ .HIGEMSFLQ .LGEMSLEE	DTDVR VRRPPKGKHR KFKHTHDKTA QTRVTIRTVR VRRPPKGKHR KFKHTHDKTA	KNTDS.RCKA RRRSFLRCQG
KVEYVRKKPK KIEIVRKKPI KIRSGDRP RIKPHQGQ MIRYPSSQ	251 DTDVR QTRVTIRTVR	301 QDPQTCKCSC PDPRTCRCRC LDEETCQCVC
201 PDGF-A PDGF-B P1GF-1 VEGF165 VEGF-B167	PDGF-A PDGF-B P1GF-1 VEGF165 VEGF-B167	PDGF-A PDGF-B P1GF-1 VEGF165 VEGF-B167

FIGURE 2B

FIGURE 2 C

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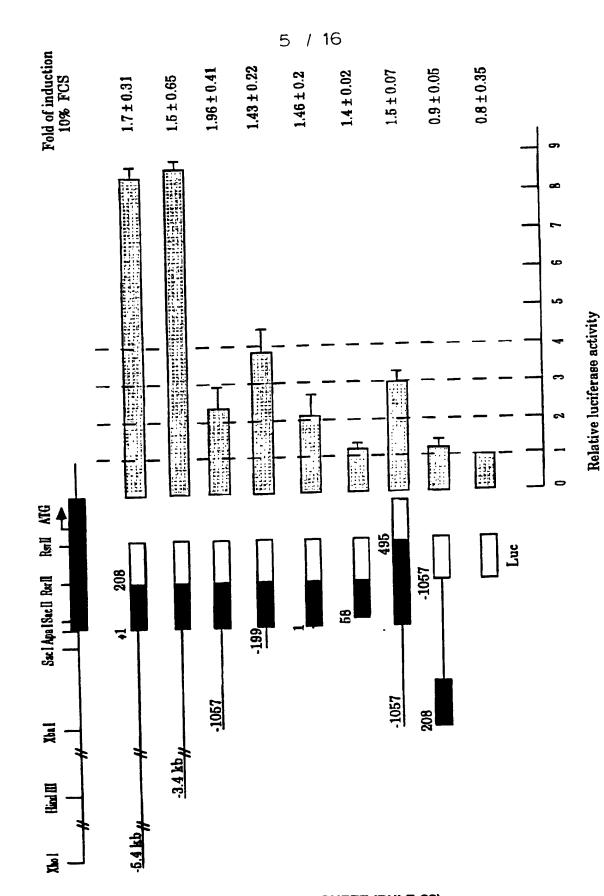
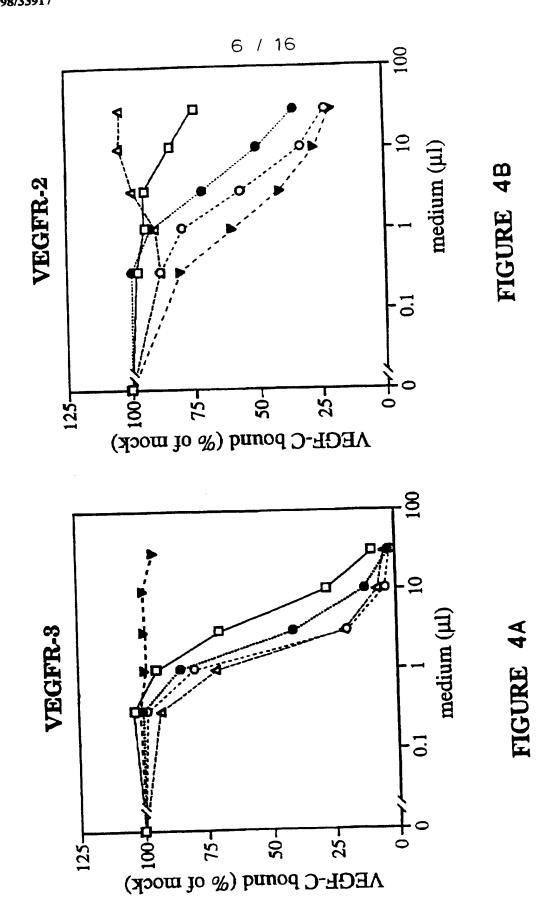


FIGURE 3



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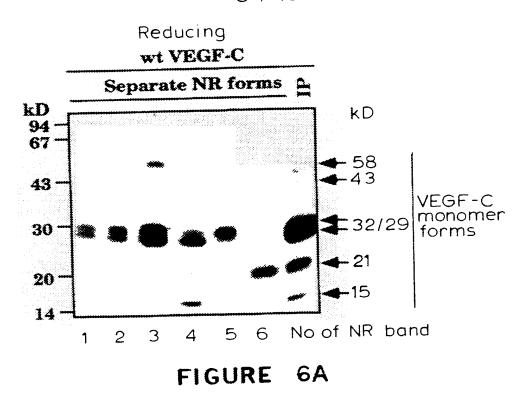
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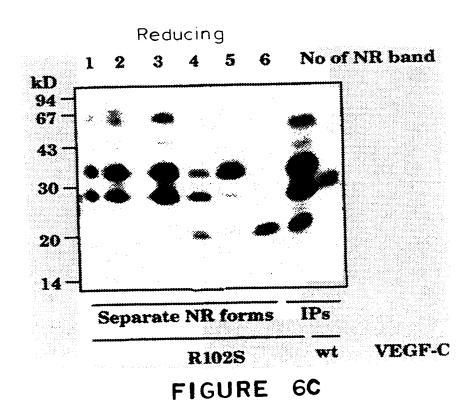
VEGF-C alignment

	50
	1 HMLLGFF6VA CSLLAAALLP GPREAPAAAA AFE6GLDLSD AEPDAGEATA
Hum	HMLLGFFSVA CSLLAAALIP GPREAPATVA AFESGLGFSE AEPDGGEVKA
Mou	
Qua	MHLLEMLELG CCLAAGAVIL GPROPPVA.A AYESGHGYYE EEPGAGEPKA
	100
	
Hum	TOT VOTVER YKCOLKKGGW UNKREUMICK
Mou	
Oua	HASKOLEEQL RSVSSVDELM TVLYPEYWKM FKCQLRKGGW QHNREHSSSD
Qua	
	150 101 CYERCUATUT
••	TONEWRKTO CMPREVCIDY GALLGVALAT
Hum	TRIGDSVKFA AAHYNTEILK SIDNEWRKTO CMPREVCIDV GKEFGAATNI
Mou	TRIGUS VALA AMERICA TOTAL CALLES AMERICA
Qua	TRSDDSLKFA AAHYNAEILK SIDTEWRKTO GMPREVCVDL GREFGATTAT
	200
	151 PERPECUSARY REGGEENSEG LOCHNISTSY LEKTLETTV PLSOGPRPVT
Hum	
Mou	
Qua	FFKPPCVSIY RCGGCCNSEG LQCMNISTNY ISKTLFEITV PLBAGFRFVI
	250
	201
Hum	201 ISFANHTSCR CMSKLDVYRQ VHSIIRRSLP ATLPQCQAAN KTCPTNYWN
Mou	THE OWNER OF THE POPULATION OF THE POPULATION AND THE POPULATION OF THE POPULATION AND TH
Qua	VEFANHTSCR CMSKLDVYRQ VHSIIRRSLP ATQTQCHVAN KTCPKNHVWN
~	
	300 251
Hum	ATHICICAL ACE DEMESSIAGE DITTOGFHDIC GPNKELDEET COCVERAGER
	NUMBER AND DETEVENVED DETNGFHDVC GPRRELIDEDI COCCONOCIA
Mou	NYMCRCLAQU DFIFTBRVED BUTSEGFHIC GPNKELDEET CQCVCKGGVR
Qua	Witchendi, Presented
	350
	PASCGPHKEL DRNSCQCVCK NKLFPSQCGA NREFDENTCQ CVCKRTCPRN
Hum	
Mou	PSECGPERED DRUGGE STEEL PSECOCE WEETDEFKCO CYCKKTCPKH
Qua	PISCOPHREL DRASCOCMCK NKLLPSSCGP NKEFDEEKCO CVCKKTCPKH
	400
	351
Hum	OPENFUNCTION AND DESCRIPTION OF THE PROPERTY O
Mou	OPINPERCAC ECTENTORCE LEGENHEUT CHEYRECAN REACHELE
Oua	TOTAL TECEPOPAROT CRCYRPPCTV RIKKUDAGIL
£ 26	
	401 420
Hum	
Mou	
Qua	LAEEVCRCVR TSWKRPLMN*

FIGURE 5

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Non-reducing

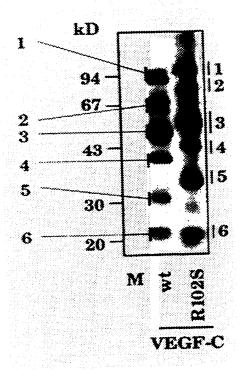
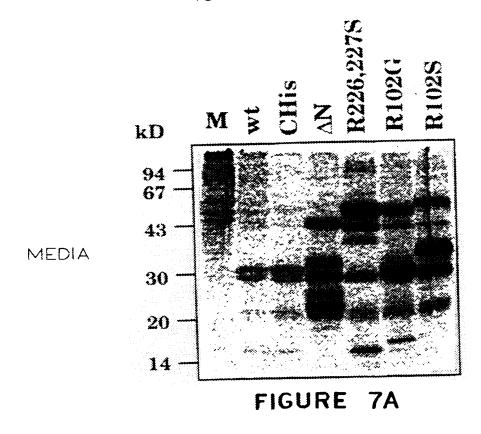
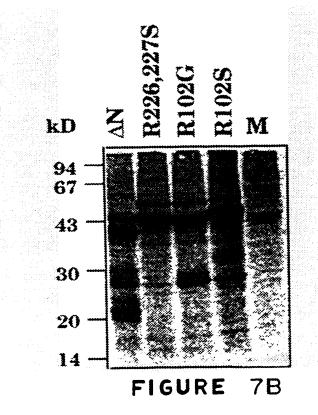


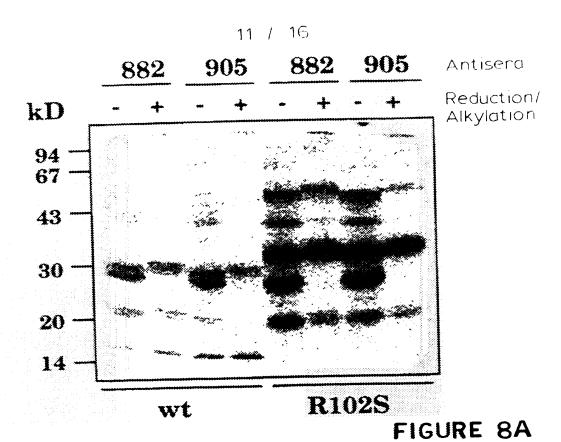
FIGURE 6B

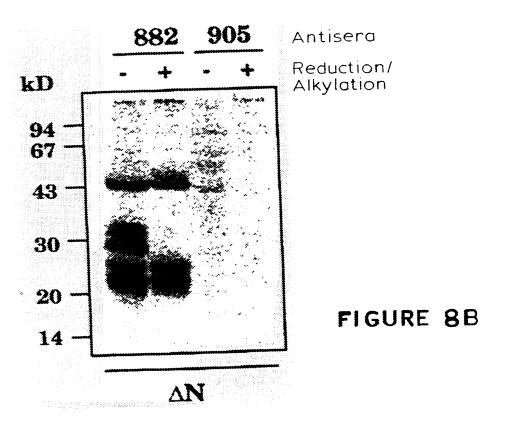
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LYSATES





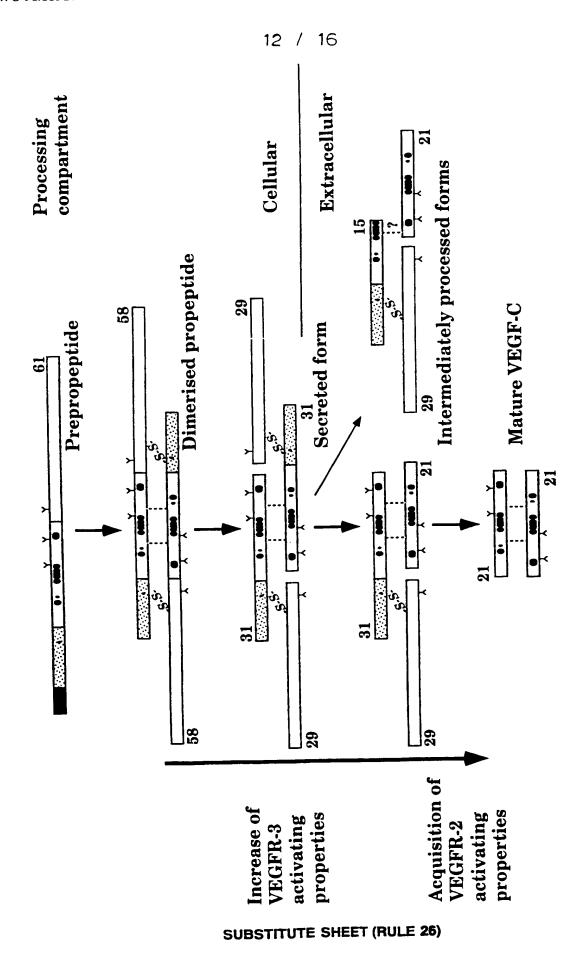


FIGURE 9

16 13 222 TGDSVKFAAAHYNTEILKSIDNEWRKTQCMPREVCIDVGKEFGAATNTFFKPPCVSVYRCGGCCNSEGLQCMVTSTGYLSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDVYRQVHSIIR FESGLGFSEAEPDGGEVKAFEGKNLEEQLRSVSSVDELMSVLYPDYWKMYKCQLRKGGWQ....QPTLNTRDL.D....A..AT.YAS.D.......T....E.......HNRE.AN..S. FIGURE 10cgphkeldrdcqcknklfpns rslpatlocoaanktcptnyvmnnymcrclaqoodfifysnveddstngfhdycgpnkeldedtcocyckgglrpss N-terminal propeptide **BR3P** homology VEGF homologycprnoplangkcacec EIE..M.S.DAG....D.... 31 7 32 MHLLCFLSLACLLAAALIPSPREAPATVAAG.F.V......L.G.....AA..CANRLKHCDPGLSFSEEVCRQVPSYWKRPHLN Signal sequence TENTQKCFLKGKKFHHQTCSCYRRPSP...L.... human mouse

	HUMAN Exon length	Donor site	Intron length	Acceptor site
SUBSTITUTE SHEET (RULE 26)	GGC. GAG. GCC. A E1. GGC. GAG. GCC. A E2. 214. bp. GAG. ATC. TTG. P L. S. K. L. S. K. E3. 191. bp. CTC. AGC. AAG. P T. L. P T. L. P A. G. D E5. 107. bp. GCT. GGA. GAT. (E6. 334. bp. CAA. ACA. TGC. A E7. (501). bp. CAA. ATG. AG	G. E. A. T(49) GGC.GAG.GCC.ACG.gtaggtctgcgt.>10.kb. TTTCT E2 214.bp. GAG.ATC.TTG.AAA.Agtaagtatggg.1.6.kb. atg E2 214.bp. GAG.ATC.TTG.AAA.Agtaagtatggg.1.6.kb. atg E3 191.bp. CTC.AGC.AAG.ACG.gtgggtattgt9.kb.cccttc E4 152.bp. ACA.CTA.CCA.CAgtgagtatgaattaaa>10.kb.ttctt E5 107.bp. GCT.GGA.GAT.Ggtagcagaatg301.bpcta E6 334.bp. CAA.ACA.TGC.AGgtaagagatc>10.kb.tgttc E6 334.bp.CAA.ACA.TGC.AGgtaagagatc>10.kb.tgttc	E2 214 bpGG.C.AGG.Gtaggtctgcgt>10.kb. TTTCTTTGACAG.GCT.TAT.GCA.AGC. E1. L. K(116) E2.214 bpGAG.ATC.TTG.AAA.Agtaagtatggg1 6.kb. atgacttgacagGT.ATT.GAT.AAT E2.214 bpGAG.ATC.TTG.AAA.Agtaagtatggg1 6.kb. atgacttgacagGT.ATT.GAT.AAT E3.191 bpCTC.AGC.AAG.ACG.gtgggtattgt9 kb.cccttcttgtag.TTA.TTT.GAA.ATT E3.191 bpCTC.AGC.AAG.ACG.gtgggtattgt9 kb.cccttctttgtag.TTA.TTT.GAA.ATT E4.152 bpACA.CTA.CCA.CAgtgagtatgaattaaa.>10.kb.ttcttccaaagG.TGT.CAG.GCA.GCG E4.152 bpACA.CTA.CCA.CAgtagagtatgaattaaa.>10.kb.tcttctccaaagG.TGT.CAG.GCA.GCG E5.107 bpGCT.GGA.GAT.Ggtagcagaatg301 bpctatttgtctagAC.TCA.ACA.GAT C. Y. R. R. E6.334 bpCAA.ACG.AGGTaggagatcc>10.kb.tgttctcctagC.TGT.TAC.AGA.CGG C. Y. R. R. E6.334 bpCAA.ACG.AGGTAACGTGTTATTGTATTAT	Y Y S Y Y Y Y Y

FIGURE 11A

	MOUSE Exon length	Donor site	r site Intron length Acceptor si	Acceptor site	
C1	E1	.VK(49)		TTT.TGA.AGG	
IDCTI	E2.201.bpGAG.ATC	LK(116) .CTG.AAA.Agtaagtag	E I L K (116)	ATT.GAT.AAT	10
ri ITE		KT(180)	L. S. K. T(180)	TTT.GAA.ATT	/ T
SHE	13.191.bpTTTTTTTTT	P0(231)	E3.191.DpCl.C.BDPQ(231)	.QAA.	\mathcal{O}
ET (E4.152.bpACA.TTA	ccA.cAgtgagtatg	10.kb.gtctccccaaaage.161.	S.T.N.	
RULI	E5.107.bpAAT.GTT	ED(209/	ES. 107. bp AAT. GTT. GAA. GAT. Ggtaagtaaaa350. bptctagAC. TCA. ACC. AAT	TCA.ACC.AAT	
E 26)	E6 334 hp CAA ACA	cs(378)		.YKK. TAC.AGA.AGA	
	.dН	.N(415)Stop	H. L. N(415) StoppolyApolyA.		
	E7.506.bpCAT.CTG	AAC. TAA. GATCATACC.	AlleiAllAlAAgetgtgaag		

FIGURE 11B

SUBSTITUTE SHEET (RULE 26)

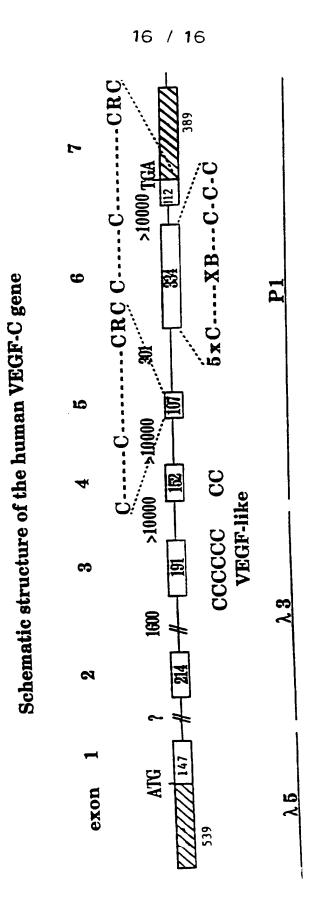


FIGURE 12

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